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MCDONNELL DOUGLAS
CORPORATION

U.S. DEPARTMENT OF LABOR
WORKPLACE STANDARDS ADMINISTRATION
BUREAU OF LABOR STANDARDS
MATERIAL SAFETY DATA SHEET

FORM NO. OSHA-20 (MODIFIED)
MAY 1971

DMS 1793

MDC CONTROL NO. _____

SECTION I: MATERIAL AND MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME LEFKOWELD CORPORATION		EMERGENCY TELEPHONE NO. 213 - 532-1254
ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE) 2.5 W. 131st St., Los Angeles, Ca 90061		
CHEMICAL NAME AND SYNONYMS Bisphenol-A Diglycidyl ether	TRADE NAME AND SYNONYMS LEFKOWELD 247/ LD-1	
CHEMICAL FAMILY Reactive epoxy resin + aliphatic amine curing agent.	FORMULA	

SECTION II: HAZARDOUS INGREDIENTS*

PAINTS, PRESERVATIVES/SOLVENTS	%	TLV (UNITS)	ALLOYS AND METALLIC COATINGS	%	TLV (UNITS)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES*				%	TLV (UNITS)

SECTION III: PHYSICAL DATA

BOILING POINT (°F)	NA	SPECIFIC GRAVITY (H ₂ O = 1)	Adhesive only	1.15
VAPOR PRESSURE (mm Hg.)	NA	PERCENT VOLATILE BY VOLUME (%)	Activator only	0.94
VAPOR DENSITY (AIR = 1)	NA	EVAPORATION RATE	Nonvolatile	--
SOLUBILITY IN WATER	Insoluble	(_____ = 1)		
APPEARANCE AND ODOR	Clear, amber liquid, characteristic epoxy resin odor, viscous.			

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED) 470 F. (Cleveland Open Cup)	FLAMMABLE LIMITS	LeI	UeI
EXTINGUISHING MEDIA Water or Carbon Dioxide			
SPECIAL FIRE FIGHTING PROCEDURES Not required			
UNUSUAL FIRE AND EXPLOSION HAZARDS None			

*PLEASE DO NOT USE GENERALIZATIONS, SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES.
USE SPECIFIC CHEMICAL NAMES, SUCH AS METHANOL, BENZENE, PERCHLOROETHYLENE.

SECTION V: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

No specific hazards involved.

EFFECTS OF OVEREXPOSURE

EMERGENCY AND FIRST AID PROCEDURES

In case of skin contact, wash well with soap and water.

SECTION VI: REACTIVITY DATA

STABILITY	UNSTABLE	CONDITIONS TO AVOID
	STABLE	X

INCOMPATIBILITY (MATERIALS TO AVOID)

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION	MAY OCCUR	CONDITIONS TO AVOID
	WILL NOT OCCUR	

Polymerization with strong exotherm will occur when mixed with reactive amines

SECTION VII: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

The bulk of spilled material may be removed with trowel, spatula, etc. Affect

areas may be cleaned with organic solvents (acetone, MEK, MIBK, toluene

substitutes, etc.)

WASTE DISPOSAL METHOD

Conventional waste disposal methods are adequate.

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE)

Not required if used with adequate ventilation.

VENTILATION	LOCAL EXHAUST	SPECIAL
	Preferred but not required.	
	MECHANICAL (GENERAL)	OTHER

PROTECTIVE GLOVES

Recommended in all operations.

EYE PROTECTION

Recommended at all times.

OTHER PROTECTIVE EQUIPMENT

SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store at temperatures between 40-80 F. Avoid prolonged or repeated skin

exposure as sensitive individuals may develop dermatitis. This applies especially

OTHER PRECAUTIONS

to LD-1 activator.

PREPARED BY

DATE